13.4 An object is situated at a distance of 24.0 cm from a concave mirror. The focal length of the concave mirror is 6 cm. Determine the size of the image and its distance from the mirror if the object is 12 cm high.

13.6 The radius of curvature of a concave mirror is 40 cm. Where should an object be placed so as to get its, real image magnified four times.

13.7 An object is situated at a distance of 20 cm from a convex mirror of radius of curvature 20 cm. Find the position and nature of the image.

If an object is placed at a distance of 10 cm from a spherical mirror and its virtual image is formed at a distance of 5 cm from the mirror. Find the focal length and nature of the mirror.